

REMARKS

Claims 1 and 3-6 are rejected under 35 U.S.C. § 103(a) as being unpatentable over Applicant's Admitted Prior Art (*AAPA*) in view of *Bowen* (US 6,774,868).

Claims 1 and 3-5 have been cancelled and claim 6 has been amended by the present amendment.

This response is similar to the response filed on March 14, 2008, but amends claim 6 in light of the Examiner's comments noted in the Advisory Action dated April 11, 2008. In particular, the Examiner indicates that claim language is not specific enough to limit the opening sequence of the scan lines to a single frame, and hence in *Bowen* when the current frame finishes and the last scan line at each panel division of a first time period, the next frame will start with the first scan line of each panel division, which is at a second position after the first period, and thus satisfies the claimed limitation. Accordingly, claim 6 has been amended to clarify that "wherein, when the current frame finishes on the last scan line of each panel division at a first time period the next frame will start with the first scan line of each panel division which is at a second period after the first period." Accordingly, based on the below comments previously presented distinguishing the claims over the applied art, and because claim 6 has been amended to address the Examiner's concern, it is respectfully submitted independent claim 6.

Response To Claim Rejections Under 35 U.S.C. § 103(a)

Claims 1 and 3-6 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the Applicant's Admitted Prior Art (*AAPA*) in view of *Bowen* (US 6,774,868).

As discussed above, claims 1 and 3-5 have been canceled. Accordingly, comments will be presented distinguishing claim 6 over the applied art.

In order for a claim to be properly rejected under 35 U.S.C. § 103, the teachings of the prior art reference must suggest all features of the claimed invention to one of ordinary skill in the art. *See, e.g., In re Dow Chemical*, 837 F.2d 469, 5 U.S.P.Q.2d 1529, 1531 (Fed. Cir. 1988); *In re Keller*, 642 F.2d 413, 208 U.S.P.Q. 871, 881 (C.C.P.A. 1981). Since *AAPA* and *Bowen* are not suggesting all features of the claimed invention to one of ordinary skill in the art, the rejection of claim 6 under 35 U.S.C. § 103(a) should be withdrawn.

Independent claim 6 is as follows.

"6. A gate drive device for a display, the open sequences for a plurality of scan lines in a panel being changed so that open sequences of the plurality of scan lines between the two adjacent gate drivers being the same, the drive device comprising:

a display panel comprising:

a first division panel comprising:

a first side;

a second side vertical with the first side;

a first scan line parallel with the first side; and

a second scan line parallel with the first scan line;

a second division panel comprising:

a third side parallel and adjacent with the first side;

a fourth side vertical with the third side;

a third scan line parallel and adjacent with the

first scan line; and

a fourth scan line parallel with the third scan line;

a third division panel comprising:

a fifth side;
a sixth side vertical with the fifth side and adjacent
with the second side;
a fifth scan line parallel with the fifth side; and
a sixth scan line parallel with the fifth scan line; and
a fourth division panel comprising:
a eighth side vertical with the seventh side and
adjacent with the fourth side;
a seventh scan line parallel and adjacent with the fifth
scan line; and
a eighth scan line parallel with the seventh scan line; and
a plurality of gate drivers being the gate drivers of the first, the second, the
third, and the fourth division panels;
a plurality of control circuits for connecting the data drivers and the gate
drivers of the first, the second, the third, and the fourth division panels; and
a timing control register connected to the plurality of control circuits by a
plurality of control lines;
wherein the timing control register is used for controlling the open timings of the first, the
second, the third, the fourth, the fifth, the sixth, the seventh, and the eighth scan lines, at a first
period, the first, the third, the fifth, and the seventh scan lines are opened at the same time, and at
a second period following the first period, the second, the fourth, the sixth, and the eighth scan
lines are opened at the same time, and
wherein, when the current frame finishes on the last scan line of each panel division at a
first time period the next frame will start with the first scan line of each panel division which is
at a second period after the first period."

."

Referring to FIG. 5 of the present application, the scan lines in division panels are opened according to direction of the arrowhead. Taking four division panels at the upper left corner as a non-limiting example, the scan lines in two upside division panels are opened from bottom to top and the scan lines in two downside division panels are opened from top to bottom.

Comparing with *AAPA*, *AAPA* fails to disclose that the scan lines in an upside division panel are opened from bottom to top and the scan lines in a downside division panel are opened from top to bottom. Referring to FIG. 2A of the present application, *AAPA* discloses two division panels (10a and 10b). The scan lines in the upside division panel 10a of *AAPA* are opened from top to bottom. The scan lines in the upside division panel 10b of *AAPA* are opened from top to bottom. Thus, *AAPA* fails to teach or suggest that the scan lines in the upside division panel are opened from bottom to top and the scan lines in the downside division panel are opened from top to bottom.

The same claimed feature lacked in *AAPA* can be found nowhere in *Bowen*. Comparing with *Bowen*, *Bowen* discloses that the scan lines in the upside division panel 404 are opened from top to bottom and the scan lines in the downside division panel 408 are opened from bottom to top. Thus, *Bowen* fails to that the scan lines in the upside division panel are opened from bottom to top and the scan lines in the downside division panels are opened from top to bottom.

Because *AAPA* and *Bowen* do not disclose, suggest or teach all the features recited by claim 6 of the present application, *AAPA* and *Bowen* cannot render claim 6 anticipated or obvious, and claim 6 should be allowable over the references of record.

Conclusion

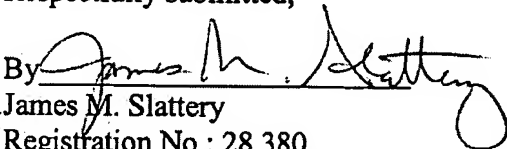
In light of the foregoing amendments and for at least the reasons set forth above, Applicant respectfully submits that all objections and/or rejections have been traversed, rendered moot, and/or accommodated, and that the now pending claim 6 is in condition for allowance. Favorable reconsideration and allowance of the present application and all pending claims are hereby courteously requested.

In the event that any outstanding matters remain in this application, the Examiner is invited to contact the undersigned at (703) 205-8000 in the Washington, D.C. area.

If necessary, the Commissioner is hereby authorized in this, concurrent, and future replies, to charge payment or credit any overpayment to Deposit Account No. 02-2448 for any additional fees required under 37 C.F.R. §§ 1.16 or 1.17; particularly, extension of time fees.

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Respectfully submitted,

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